

Db 238: GGACCTCTTCTTCACACATTCGCTTGGACCCCTACACGCTCTCTGAGTCATCTCTGACCCCTC 2343
Qy 2341 CCAGACCCGCGCAACATCCCTCACGTTATTCGCTGTAGCTACTATTCGTCGCTCTTGA 2403
Db 2341 CCAGACCCGCGCAACATCCCTCACGTTATTCGCTGTAGCTACTATTCGTCGCTCTTGA 2406
Qy 2401 TCCGCTTTTCACTGTGTCTAGATTAGGACCGCGCGGTAGAGAAAGAAAGAGAGAGC 2460
Db 2401 TCCGCTTTTCACTGTGTCTAGATTAGGACCGCGCGGTAGAGAAAGAAAGAGAGAGC 2460
Qy 2461 CATATTTCTGTCTGTGCGCTACGACGCGCGGTAGAGATTGAGTTCGCGGATTCGCGTAAC 2529
Db 2461 CATATTTCTGTCTGTGCGCTACGACGCGCGGTAGAGATTGAGTTCGCGGATTCGCGTAAC 2520
Qy 2521 CGTGGAGAGACTCGCGGTGTGATTAGCGCGGACTTCGTCGCGCTCTAGAGAGAGAGAGC 2580
Db 2521 CGTGGAGAGACTCGCGGTGTGATTAGCGCGGACTTCGTCGCGCTCTAGAGAGAGAGAGC 2580

Result 2
US-10-047-593-3
Sequence 3: Application US/10047593
Publication No. US20020170094A1
GENERAL INFORMATION:
Applicant: Crane, Edmund H. III
Applicant: Rice, Douglas A.
TITLE OF INVENTION: Maize NPR. Polynucleotides and Methods
FILE REFERENCE: 1090D2
CURRENT APPLICATION NUMBER: US/10/047,593
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/130,692
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 09/551,778
PRIOR FILING DATE: 2000-04-18
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 7789
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: promoter
LOCATION: (1)...(2715)
NAME/KEY: 5'UTR
LOCATION: (2716)...(2781)
NAME/KEY: exon
LOCATION: (2782)...(3435)
NAME/KEY: Intron
LOCATION: (3436)...(3587)
NAME/KEY: exon
LOCATION: (3588)...(4738)
NAME/KEY: Intron
LOCATION: (4739)...(5274)
NAME/KEY: exon
LOCATION: (5275)...(5475)
NAME/KEY: Intron
LOCATION: (5476)...(5565)
NAME/KEY: exon
LOCATION: (5566)...(5922)
NAME/KEY: 3'UTR
LOCATION: (5923)...(6124)
US-10-047-593-3

Query Match: 100.0%; Score 2579.6; Db 13; Length 7789;
Best Local Similarity: 100.0%; Pred. No. 0;
Matches 2580; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGCGCGCGGTAATAGAGCTACATAGCGGGAAGAAATTGAGTTCGCTCTTATTCGCG 60
Db 1 CGCGCGCGGTAATAGAGCTACATAGCGGGAAGAAATTGAGTTCGCTCTTATTCGCG 60
Qy 61 GAAGCCGACCGCTGGCGCTTGGAGCGGTTGGCGACCGAGACCTGTCCGTGACACCG 120

Db 61 GAAGCCGACCGCTGGCGCTTGGAGCGGTTGGCGACCGAGACCTGTCCGTGACACCG 120
Qy 121 GACAGTGAAGGCGGCGCTTTCGACCGGTGGCTCGCGGACGCTTTCGCGGAGATGGCGG 180
Db 121 GACAGTGAAGGCGGCGCTTTCGACCGGTGGCTCGCGGACGCTTTCGCGGAGATGGCGG 180
Qy 181 GCAGACCGCTTCGCGGACCGAGCTTGGCTACCGGAGATGCGGTGACACGACAGT 240
Db 181 GCAGACCGCTTCGCGGACCGAGCTTGGCTACCGGAGATGCGGTGACACGACAGT 240
Qy 241 CCGGTGATTTACCGGTAGCGGCTTAATCTCCGAGAGAGCAAGTTCGCGTACG 300
Db 241 CCGGTGATTTACCGGTAGCGGCTTAATCTCCGAGAGAGCAAGTTCGCGTACG 300
Qy 301 CAGCGTGGCGGACCGGACAGTGTCCGAGGAAACAGCGAGTCCGCGACCGACAGTAC 360
Db 301 CAGCGTGGCGGACCGGACAGTGTCCGAGGAAACAGCGAGTCCGCGACCGACAGTAC 360
Qy 361 AGCTGACTTTGGCTGACAAAGTCTTTAGTTCACATTTGATTTTCCTGTTCCAGC 420
Db 361 AGCTGACTTTGGCTGACAAAGTCTTTAGTTCACATTTGATTTTCCTGTTCCAGC 420
Qy 421 ACTTAGACACATATAGTCTGTAAACATGATTAATTCGAGAACATACCTTTA 480
Db 421 ACTTAGACACATATAGTCTGTAAACATGATTAATTCGAGAACATACCTTTA 480
Qy 481 TACTGTGTTGTACTTGTGTCACCATTTAACACTTGGGCACTGTGTTGACACTAAATC 540
Db 481 TACTGTGTTGTACTTGTGTCACCATTTAACACTTGGGCACTGTGTTGACACTAAATC 540
Qy 541 ACCAAATACCTAGAAAGGCGCAAGGCAATTCCTTCACAGTCGCGGTGCGACAC 600
Db 541 ACCAAATACCTAGAAAGGCGCAAGGCAATTCCTTCACAGTCGCGGTGCGACAC 600
Qy 601 CGGACAGTCGCGGTGACCTCTGACTCTGTGTTCTGCTGCTGCTGCTGCTGCTGCA 660
Db 601 CGGACAGTCGCGGTGACCTCTGACTCTGTGTTCTGCTGCTGCTGCTGCTGCTGCA 660
Qy 661 CTATAGCGTTTGGACGTGACCGCTTGGCGCACAGAGACCATTTGCTCCGCTGACCG 720
Db 661 CTATAGCGTTTGGACGTGACCGCTTGGCGCACAGAGACCATTTGCTCCGCTGACCG 720
Qy 721 GACAGTGGATGAATTAAGGGAAGGCGGCTCTGAATTCGCGAGTGTGGCTTTGAA 780
Db 721 GACAGTGGATGAATTAAGGGAAGGCGGCTCTGAATTCGCGAGTGTGGCTTTGAA 780
Qy 781 GGGCGCGTGGCGCTGTGACCGCAACATGATGTGCGCCAAATAATGACACACTGAGT 840
Db 781 GGGCGCGTGGCGCTGTGACCGCAACATGATGTGCGCCAAATAATGACACACTGAGT 840
Qy 841 CTTTTCCTTCA-TTTTAA-TTGTGTGCTAACGTGATTTCTTTGGTTTGTGTAACTT 900
Db 841 CTTTTCCTTCA-TTTTAA-TTGTGTGCTAACGTGATTTCTTTGGTTTGTGTAACTT 900
Qy 901 TATGACCTGAGATTAATACATCTAGCCAACTGATAGTCATGTGTTGTGTTGAT 960
Db 901 TATGACCTGAGATTAATACATCTAGCCAACTGATAGTCATGTGTTGTGTTGAT 960
Qy 961 GGTCACTACTAAATTAATTAATGAAGTGTAACTTACCTATTTCCCTTACGACACT 1020
Db 961 GGTCACTACTAAATTAATTAATGAAGTGTAACTTACCTATTTCCCTTACGACACT 1020
Qy 1021 CTATATAGTGTGTGAGACTCGACATGAAGGTGTCTAGAGAAAGCTTTCGCGTAA 1080
Db 1021 CTATATAGTGTGTGAGACTCGACATGAAGGTGTCTAGAGAAAGCTTTCGCGTAA 1080
Qy 1081 GGTCTCGACATGAG 1140
Db 1081 GGTCTCGACATGAG 1140
Qy 1141 GGTCTAGATGACATGACATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db 1141 GGTCTAGATGACATGACATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200


```

APPLICANT: Shen, Bo
APPLICANT: Lid, Stein F.
APPLICANT: Li, Changjiang
APPLICANT: Jung, Rudolf
APPLICANT: Grunz, Darren B.
APPLICANT: Lorentzen, Jennifer A.
APPLICANT: Ananiev, Evgenii
APPLICANT: Nichols, Scott E.
APPLICANT: Wang, Cunxi
TITLE OF INVENTION: Methods for Improving Seed and Grain
FILE REFERENCE: Characteristics
CURRENT APPLICATION NUMBER: US/10/208,948
CURRENT FILING DATE: 2002-07-30
PRIORITY APPLICATION NUMBER: 60/309,719
PRIORITY FILING DATE: 2001-08-02
PRIORITY APPLICATION NUMBER: 60/337,444
PRIORITY FILING DATE: 2001-10-25
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FASTSEQ for Windows Version: 4.0
SEQ ID NO 25
LENGTH: 25411
TYPE: DNA
ORGANISM: Zea mays
NAME/KEY: CDS
LOCATION: (2582)..(23733)
OTHER INFORMATION: dekl/calpain genomic DNA from Mo17
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(25411)
OTHER INFORMATION: n = A,T,C or G
US-10-208-948-25

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Query Match      2.7%: Score 70.8; DB 14; Length 25411;
Best Local Similarity 59.6%: Pred. No. 1e-07;
Matches 137; Conservative 0; Mismatches 92; Indels 1; Gaps 1;

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QY 136 CCGTTGGCCCGACGACGCGTGTGCTACCGGACGTCGCTGACACGACGACGACGTCGCT 245
DB 358 CCGAGGCGCCCTCTCTCTTGAGACACGACGACGACGTCGCTGACACGACGACGTCGCT 417
QY 246 GAATTAAGCCGACGACGCGCTTAATCACTTCGCGACGACGACGACGACGACGACGACG 305
DB 418 GAATTAAGCGGAGTGGCTGTGGAATTCGCGACGACGACGACGACGACGACGACGACG 477
QY 306 TGGGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 365
DB 478 TGGGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 546
QY 366 ACCTTGGCTGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 415
DB 537 GCGTTCGCTGCGCTCTTCTCTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 586

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RESULT 5

```

US-10-005-057A-41/c
Sequence 41, Application US/10093057A
Publication No. US20020170087A1
GENERAL INFORMATION:
APPLICANT: Tao, Yimin
APPLICANT: Gordon-Kamm, William J.
APPLICANT: Shen, Bo
APPLICANT: Lowe, Keith S.
APPLICANT: Danilevskaia, Olga
APPLICANT: Mahajan, Pramod
APPLICANT: Rafalski, Antoni J.
APPLICANT: Sakai, Hajime
APPLICANT: Kleio, Ted M.
TITLE OF INVENTION: Transcriptional Regulator Nucleic Acids,
TITLE OF INVENTION: Polypeptides and Methods of Use Thereof
FILE REFERENCE: 1288
CURRENT APPLICATION NUMBER: US/10/005,057A

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CURRENT FILING DATE: 2001-12-04
PRIORITY APPLICATION NUMBER: 60/251,555
PRIORITY FILING DATE: 2000-12-06
NUMBER OF SEQ ID NOS: 41
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 41
LENGTH: 12561
TYPE: DNA
ORGANISM: Zea mays
NAME/KEY: misc_feature
LOCATION: (1)..(12561)
OTHER INFORMATION: ZmPK1 genomic sequence
NAME/KEY: misc_feature
LOCATION: (1)..(12561)
OTHER INFORMATION: n = A,T,C or G
US-10-005-057A-41

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Query Match      2.7%: Score 69.6; DB 13; Length 12561;
Best Local Similarity 56.2%: Pred. No. 2.6e-07;
Matches 187; Conservative 1; Mismatches 140; Indels 5; Gaps 3;

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QY 717 ACCGACAGTCGATGATTAATGAGGAGCGGCGCTGGAATTCGCGAGTGGCTCTG 776
DB 12396 ACCGACAGTCGCGGATTAATGAGGAGTGGCTCTGGAATTCGCGAGTGGCTCTG 12337
QY 777 TGAAGGCGCCCTGCTGCTGACGACGACGACGACGACGACGACGACGACGACGACG 836
DB 12336 TG-AGTTGAGTCTGCTGCTGACGACGACGACGACGACGACGACGACGACGACG 12278
QY 837 AACGCTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 896
DB 12277 GCTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 12218
QY 897 ACCCTATGACGCTG-AGATTAATCAATCTAGCCAAACAGTACTGCTGCTGCTGCTG 955
DB 12217 ACCCTATGACGCTGATTAATCAATCTAGCCAAACAGTACTGCTGCTGCTGCTGCT 12158
QY 956 TTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1012
DB 12157 TGGCAATTCACCCACCAAAATTAATTAAGGACTTAAGGCTTAAGGCTTAAGGCT 12098
QY 1013 ACCGACACTATTAATGCTGCTGACGCTGACG 1045
DB 12097 ATCTCCGCTTTTGTGCTGATGATGACACACA 12065

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RESULT 6

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US-09-923-876-4089/c
Sequence 4089, Application US/09923876
Patent No. US20020013958A1
GENERAL INFORMATION:
APPLICANT: Ishigaki, Kazuhiko
APPLICANT: Shimizu, Hiroyuki
APPLICANT: Shimizu, Hiroyuki
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN SEEDLING
FILE REFERENCE: PL-0012-1 CON
CURRENT APPLICATION NUMBER: US/09/923,876
CURRENT FILING DATE: 2001-08-06
PRIORITY APPLICATION NUMBER: 39/298,329
PRIORITY FILING DATE: 1999-04-21
PRIORITY APPLICATION NUMBER: 50/085,331
PRIORITY FILING DATE: 1998-05-05
NUMBER OF SEQ ID NOS: 6332
SOFTWARE: PERL Program
SEQ ID NO 4089
LENGTH: 281
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20020013958A1 700454406H1
US-09-923-876-4089

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DL 643 CCGTCCCGCCCTCCGCCCCCTTTTCCGCCCCCTCCCTCCCTTCCCTTCCCTTCCCTCCCTCCCT 564
DY 2255 ACTTTCCACGACGACGCGTTCCTCCCGGACCTCTTCTGACGATTCGGTGGACCGCTAC 2314
DB 583 CATTCCCTCCCTTTTCCCTTCCCTCCCTTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCT 524
DY 2315 CGCTCCCTGACGATGCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCT 2374
DB 523 TCTCTCTCTTATTTCCCTTCT 464
DY 2375 TGTACCTACTATCTCCCTCTCTGACATCCCT 2405
DB 463 TTTCCCGCCCTTTCCGATGACATCCCTTGACAACT 433

RESULT 10

US-10-312-455-1378/C
Sequence 1378, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/03/11.455
CURRENT FILING DATE: 2002-12-16
PRIORITY APPLICATION NUMBER: PCT/EP01/07537
PRIORITY FILING DATE: 2001-07-02
PRIORITY APPLICATION NUMBER: DE 10032529.7
PRIORITY FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: DE 10043626.1
PRIORITY FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1378
LENGTH: 16033
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1378

Query Match

Best Local Similarity 48.7%; Score 48.2; DB 12; Length 16033;
Matches 111; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

DY 2146 TTTTACTCTTATCTATCTCTCTCCGCGGCTGCTATCTATCTCTCTCTCTCTCTCTCTCTCT 2205
DB 14002 TCT 12943
DY 2206 CGAGTCT 2265
DB 12942 TTTCT 12883
DY 2266 AACTGCTTCT 2323
DB 14882 CTTCT 12823
DY 2326 CAGTCT 2385
DB 14882 CTTCT 12763
DY 2386 TGTCT 2444
DB 12762 TCT 12734

RESULT 11

US-10-312-841-1
Sequence 1, Application US/10312841
Publication No. US20030186277A1
GENERAL INFORMATION:

APPLICANT: Epigenomics AG
TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb
FILE REFERENCE: E01/1206/WO
CURRENT APPLICATION NUMBER: US/10/312.841
CURRENT FILING DATE: 2002-12-30
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
LENGTH: 3673778
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
FEATURE:
NAME/KEY: unsure
LOCATION: (3294164)
US-10-312-841-1

Query Match

Best Local Similarity 55.8%; Score 47.8; DB 12; Length 3673778;
Matches 111; Conservative 0; Mismatches 87; Indels 1; Gaps 1;

DY 1786 TTAATGATTATTAAGTAGAGTTT-GTTACGTTTATTACGATTCATTCAGGATTT 1844
DB 2955464 TTAATGATTATTAAGTAGAGTTT-TTTTGGATATGTTTGGGGGTTATATGATTA 295552
DY 1945 ATTAGGATACCTTCACATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1904
DB 2955524 AAGCTTTAGATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 295558
DY 1905 CACACACCTACTAGCAGTACAGCAAAATGACATATGATTTTGAAGAAATTA 1964
DB 2955584 TTAATGATTAATTAAGATTAATTAAGTATTAATTAATTAATTAATTAATTAATTAAT 295564
DY 1965 TTGACAGATTAAGGTGTGG 1983
DB 2955644 TTGATTAATTAAGAGATTTG 2955662

RESULT 12

US-10-312-455-1163
Sequence 1163, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311.455
CURRENT FILING DATE: 2002-12-16
PRIORITY APPLICATION NUMBER: PCT/EP01/07537
PRIORITY FILING DATE: 2001-07-02
PRIORITY APPLICATION NUMBER: DE 10032529.7
PRIORITY FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: DE 10043626.1
PRIORITY FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1163
LENGTH: 6215
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1163

Query Match

Best Local Similarity 47.6%; Score 47.6; DB 12; Length 6215;
Matches 177; Conservative 0; Mismatches 189; Indels 6; Gaps 1;

DY 1524 TTTCGATTTTATTTTCT 1583
DB 3889 TTAATGATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 3948

QY 1584 CATTGACACATACCTTTAAAGTACATTTCACATTTAAAGCTTTTAAAGCAAA 1643
DB 3949 TATTTTATTTTATTTTATTTTATTTTAAATTTTAAATTTTAAAGCTTTTAAAGT 4098
QY 1644 TAAATTCGAGAGAGAGCTGATGAGAGAAAGCTGCGATGATTCATTCAGAGAA 1703
DB 4509 TTTTGTTCATTCGAGAGATTAATTAATTAATTCGATTCATTCATTCATTCATTC 4568
QY 1704 TCGATGTTAAAGCTTCTGATTAATTTCTATTCATTCAGAGCTTAAAGAGGCTA 1763
DB 4669 TAAATGAGCTGATTTAAATTTTATTTTAAATTTTAAATTTTAAAGAGAG 4126
QY 1764 GGAAGCTT-----TGCATTTCCCTGCTGATTAATTAATTAAGAGTTCATTCAG 1817
DB 4129 AGAAATAGTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 4188
QY 1818 TTTATTCGATTCATTCATTCATTCATTCATTCATTCATTCATTCATTCATTCATTC 1877
DB 4188 TTTCTTTTCTTTTATTAATTAATTTTCTATTAATTAATTCATTCATTCATTCATTC 4248
QY 1878 TCTTTTAAATTA 1883
DB 4249 TATTTTAAATTA 4263

RESULT 13

US-10-311-455-1398
Sequence 1398, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIERENBROCK, Christiaan
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of diseases associated with the immune system by detecting
FILE REFERENCE: 5013-1024
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1398
LENGTH: 5572
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1398

Query Match 1.8%; Score 47.4; DB 12; Length 5572;
Best Local Similarity 46.3%; Pred. No. 0.12;

Matches 156; Conservative 0; Mismatches 181; Indels 0; Gaps 0;
QY 1581 TCAAGTACCTGTTTGTTCGACCTTGACACATAGCCTTAAAGTAAATTCACAAAT 1620
DB 4630 TTACATTCGTTTCGAATTTTCAATTAATTAATTAATTAATTAATTAATTAATTA 4689
QY 1621 TAAAGCTTGTATGAAACAACTAACTTCGAGAGAGCTGATTCAGAGAAAGCTCGG 1650
DB 4690 TGGATTAAGAGAGAGCTATCGATTAATTCGATTCGATTCGATTCGATTCGATTC 4749
QY 1681 GTGATTCATTCATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
DB 4750 GTTGTGCTTAATTCGAG 4809
QY 1741 TTAAG 1800
DB 4810 TTTTGTTCGTTTCGATTCATTCATTCATTCATTCATTCATTCATTCATTCATTCATTC 4869

QY 1601 GTAGAGTTTGTTCAGATTTATTTACGATTCATTCAGGATTTATTCAGATTCAG 1860
DB 4870 GTATATTTTATTCAGATTTATTCAGATTCAGATTCAGATTCAGATTCAGATTCAG 4929
QY 1861 CATATACCTTCAGCTTCCTTTTAAATTAATTCAGAGAG 1897
DB 4930 AAATGCTTTAAATTTATTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAAT 4966

RESULT 14

US-10-240-452-60
Sequence 60, Application US/10240452
Publication No. US20030162194A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIERENBROCK, Christiaan
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of diseases associated with apoptosis
FILE REFERENCE: 5013-1306
CURRENT APPLICATION NUMBER: US/10/240,452
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: PCT/EP01/03969
PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 78
SEQ ID NO 60
LENGTH: 5572
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-452-60

Query Match 1.8%; Score 47.4; DB 12; Length 5572;
Best Local Similarity 46.3%; Pred. No. 0.12;

Matches 156; Conservative 0; Mismatches 181; Indels 0; Gaps 0;
QY 1561 TCAAGTACCTGTTTGTTCGACCTTGACACATAGCCTTAAAGTAAATTCACAAAT 1620
DB 4630 TTACATTCGTTTCGAATTTTCAATTAATTAATTAATTAATTAATTAATTAATTA 4689
QY 1621 TAAAGCTTGTATGAAACAACTAACTTCGAGAGAGCTGATTCAGAGAAAGCTCGG 1680
DB 4690 TGGATTAAGAGAGAGCTATCGATTAATTCGATTCGATTCGATTCGATTCGATTC 4749
QY 1681 GTGATTCATTCATTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1740
DB 4750 GTTGTGCTTAATTCGAG 4809
QY 1741 TTAAG 1800
DB 4810 TTTTGTTCGTTTCGATTCATTCATTCATTCATTCATTCATTCATTCATTCATTCATTC 4869
QY 1861 GTAGAGTTTGTTCAGATTTATTTACGATTCATTCAGGATTTATTCAGATTCAG 1897
DB 4930 AAATGCTTTAAATTTATTTTAAATTTAAATTTAAATTTAAATTTAAATTTAAAT 4966

RESULT 15

US-10-311-455-1663/C
Sequence 1669, Application US/10311455


```
DB 241 CCGGATATATACCGGTACGCCCTTAATCACTCCGAGAGAGAGAGATCGCCGTAGC 308
QY 301 CAGCCCTGCGGACCGGACACTGTCCGGTGAACCAAGGAGAGTCCGCTGACCACTGAC 360
DB 301 CAGCCCTGCGGACCGGACACTGTCCGGTGAACCAAGGAGAGTCCGCTGACCACTGAC 360
QY 361 AGCTGACTTGTGATGACAAAGTATCTTATCTGCAATGATGATGATGATGATGATGAT 420
DB 361 AGCTGACTTGTGATGACAAAGTATCTTATCTGCAATGATGATGATGATGATGATGAT 420
QY 421 ACTGAGACACATACATATAGTGTCTAAAGCAATATATATATGATGATGATGATGAT 480
DB 421 ACTGAGACACATACATATAGTGTCTAAAGCAATATATATATGATGATGATGATGAT 480
QY 481 TACTTGGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540
DB 481 TACTTGGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 540
QY 541 AGCAAAATACTTAAATATGCGCAAGGACATTTGCTTTTAAAGTCCGCTGCTGATGAC 600
DB 541 AGCAAAATACTTAAATATGCGCAAGGACATTTGCTTTTAAAGTCCGCTGCTGATGAC 600
QY 601 CGGACAGTCCGCTGACCTGACCTGTGATGATGATGATGATGATGATGATGATGATGAT 660
DB 601 CGGACAGTCCGCTGACCTGACCTGTGATGATGATGATGATGATGATGATGATGATGAT 660
QY 661 CTATAGGCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
DB 661 CTATAGGCTTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 720
QY 721 GACAGTCCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
DB 721 GACAGTCCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 780
QY 781 GAGGCTCCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
DB 781 GAGGCTCCGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
QY 841 CTTTGGCTTATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
DB 841 CTTTGGCTTATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
QY 901 TATGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
DB 901 TATGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
QY 961 CGTCACTACTTAAATATATATATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
DB 961 CGTCACTACTTAAATATATATATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
QY 1021 CTATATAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
DB 1021 CTATATAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
QY 1081 GGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
DB 1081 GGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
QY 1141 GGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
DB 1141 GGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1200
QY 1201 TGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
DB 1201 TGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260
QY 1261 CTTTGGCTTATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1320
DB 1261 CTTTGGCTTATTTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1320
QY 1321 CTATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
DB 1321 CTATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
DB 1321 CTATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
QY 1381 GCGACATGCTGGGTGCAACAAACAAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1440
DB 1381 GCGACATGCTGGGTGCAACAAACAAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1440
QY 1441 ATTGGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
DB 1441 ATTGGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1500
QY 1501 ATCAAAATACCTCTCTTACCAATTTGCTCAATTTTATTTTGTGTTTCAATATACCAAT 1560
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QY 1561 TCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1620
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QY 1621 TCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1680
DB 1621 TCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1680
QY 1681 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1740
DB 1681 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1740
QY 1741 TCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1800
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QY 1801 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1860
DB 1801 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1860
QY 1861 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920
DB 1861 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920
QY 1921 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1980
DB 1921 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1980
QY 1981 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2040
DB 1981 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2040
QY 2041 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2100
DB 2041 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2100
QY 2101 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2160
DB 2101 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2160
QY 2161 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2220
DB 2161 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2220
QY 2221 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2280
DB 2221 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2280
QY 2281 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2340
DB 2281 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2340
QY 2341 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2400
DB 2341 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2400
QY 2401 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2460
DB 2401 GTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2460
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5  NAME/KEY: promoter
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7  CS-09-551-778-5
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25 RESULT 12
26 CS-09-551-778-3/C
27 Sequence 3: Application US/33551778
28 Patent No. 6504084
29
30 GENERAL INFORMATION:
31 APPLICANT: Crane, Edmund H. II;
32 APPLICANT: Rice, Douglas A.
33 APPLICANT: Sandell, Gary A.
34 APPLICANT: Simmons, Carl R.
35 APPLICANT: Tossberg, John T.
36 APPLICANT: Zhang, Lingyi;
37
38 TITLE OF INVENTION: Maize NPTI Polynucleotides and Methods
39
40 TITLE OF INVENTION: Of Use
41
42 FILE REFERENCE: 1090
43
44 CURRENT APPLICATION NUMBER: US/09/551,778
45
46 CURRENT FILING DATE: 2000-04-18
47
48 EARLIER APPLICATION NUMBER: 60/130,692
49
50 EARLIER FILING DATE: 1999-04-23
51
52 NUMBER OF SEQ ID NOS: 6
53
54 SOFTWARE: FASTSEQ for Windows Version 3.0
55
56 SEQ ID NO 3
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58 LENGTH: 7789
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60 TYPE: DNA
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62 ORGANISM: Zea mays
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64 FEATURE:
65 NAME/KEY: promoter
66 LOCATION: (1)...(2715)
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69 LOCATION: (2716)...(2781)
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89 NAME/KEY: exon
90 LOCATION: (5666)...(5322)
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92 NAME/KEY: 3' UTR
93 LOCATION: (5326)...(6124)
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95 US-09-551-778-3
96
97 Query Match
98 1.7%; Score 45; DB 4; Length 7789;
99 1.7%; Score 45; DB 4; Length 7789;

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